KOKKA & BACKUS, PC

Facsimile

DATE January 5, 2009

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PAGES (INCLUDING THIS COVER PAGE): 09

RE Application No. 10/711,148

Message:

Attached please find the Applicant Initiated Interview Request Form and proposed amendments for the above-referenced patent application.

Sincerely,
Charisse E. Leong
Patent Paralegal

PTOL-413A (11-08)
Approved for use through 12/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 10/711,148 First Named Applicant: Allen Bauer

Examiner: Ben C. Wang Art Unit: 2192 Status of Application: Final

Tentative Participants:

(1) Abigail Lighthart (2) _____

(3) _____ (4) _____

Proposed Date of Interview: 1/06/09 **Proposed Time:** 1:00 PM **AM/PM**

Type of Interview Requested:

(1) ☑ **Telephonic** (2) ☐ **Personal** (3) ☐ **Video Conference**

Exhibit To Be Shown or Demonstrated: ☐ **YES** ☑ **NO**

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) 102 Rejection	1, 25	Jazdzewski	☐	☐	☐
(2)			☐	☐	☐
(3)			☐	☐	☐
(4)			☐	☐	☐

☐ Continuation Sheet Attached

Brief Description of Argument to be Presented:

An interview was conducted on the above-identified application on _____ .

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature	Examiner/SPE Signature
Abigail E. Lighthart	
Typed/Printed Name of Applicant or Representative	
62,624	
Registration Number, if applicable	

CLAIM LISTING

1. (Currently amended) In a form-based development system, a method for dynamically constructing a form under an object framework during development of an application by a user, the method comprising:

providing an ancestor class under an object framework, the ancestor class for representing a form in the development system and configured to allow migration of one or more tools and one or more programs from another form-based development system to the development system;

in response to user input, creating a descendant class inheriting from the ancestor class for representing a particular form to be included in the application without directly manipulating metadata of the ancestor form;

generating intermediate language instructions for creating methods of the descendant class under the object framework;

creating a type delegator for the descendant class, thereby enabling the descendant class to track changes made to the particular form during development of the application;

creating an instance of the descendant class;

constructing the particular form in the development system based on the instance of the descendant class and making a design time representation of the form visible to the user without using source code and without compiling the descendant class;

tracking changes to the particular form made during development of the application using the type delegator;

persisting information regarding the particular form; and

subsequently, generating a version of the particular form at runtime based on the persisted information.

2. (Previously presented) The method of claim 1, wherein the object framework comprises an infrastructure for building, deploying and running applications having a common language runtime.

3. (Original) The method of claim 1, wherein said creating step includes creating a

descendant class for representing the particular form in a user interface of the development system.

4. (Original) The method of claim 1, wherein said creating step includes inheriting a set of components provided by the ancestor class for representing components that may placed on the particular form.

5. (Original) The method of claim 1, wherein said creating step includes creating an assembly for the descendant class.

6. (Original) The method of claim 1, further comprising:

creating a second descendant class which inherits from the descendant class, the created second descendant class for representing a form which inherits from the particular form.

7. (Original) The method of claim 1, wherein said constructing step includes constructing the particular form based upon the descendant class in a user interface of the development system.

8. (Original) The method of claim 1, wherein said constructing step includes displaying a component palette including components which the user can select for placement on the particular form.

9. (Original) The method of claim 8, further comprising:

receiving user input for placing components selected from the palette on the particular form.

10. (Original) The method of claim 9, wherein the type delegator tracks creation of components on the particular form in response to a user placing a component on the particular form.

11. (Original) The method of claim 9, wherein the type delegator persists information

regarding components placed on the particular form, thereby enabling the components placed on the particular form to be recreated at runtime.

12. (Original) The method of claim 1, wherein said generating step includes generating a constructor for the descendant class.

13. (Original) The method of claim 12, wherein said step of generating a constructor includes generating intermediate language instructions for building the constructor.

14. (Original) The method of claim 13, wherein said step of generating intermediate language instructions includes using classes provided by the object framework for generating intermediate language instructions.

15. (Original) The method of claim 13, wherein said generating step includes generating instructions for calling the constructor of the ancestor class, thereby ensuring execution of an appropriate constructor implemented by the ancestor class.

16. (Original) The method of claim 1, wherein said generating step includes generating methods for overriding notification methods of the ancestor class.

17. (Original) The method of claim 16, wherein said generating step includes generating intermediate language instructions for overriding notification methods of the ancestor class.

18. (Original) The method of claim 1, wherein the type delegator provides information for enumerating fields, methods, properties, and events in response to user input on the particular form in the development system.

19. (Original) The method of claim 1, wherein the type delegator generates metadata information in response to user input on the particular form.

20. (Original) The method of claim 19, wherein said step of generating metadata

information includes adding a reference to methods of the application assigned to components on the particular form.

21. (Original) The method of claim 1, further comprising:

persisting state of the particular form, enabling the particular form to be recreated at runtime.

22. (Original) The method of claim 21, wherein said persisting step includes persisting user input on the particular form.

23. (Original) A computer-readable medium having processor-executable instructions for performing the method of claim 1.

24. (Original) A downloadable set of processor-executable instructions for performing the method of claim 1.

25. (Currently amended) A development system for dynamically constructing a form responsive to user input under an object framework during development of an application, the system comprising:

a computer having a processor and memory;

an ancestor class for representing the form under the object framework and configured to allow migration of one or more tools and one or more programs from another form-based development system to the development system;

a proxy module for creating a descendant class inheriting from the ancestor class in response to user input, dynamically generating methods of the descendant class, and constructing an instance of the descendant class under the object framework for representing the form in the development system;

a type delegator for the descendant class for tracking user input on the form during development of the application;

a persistence mechanism for persisting user input on the form; and

a module for displaying a design time representation of the form in a user interface of the

development system based on the descendant class and the persisted user input without using source code and without compiling the descendant class and subsequently generating a version of the form at runtime based on the persisted information.

26. (Previously presented) The system of claim 25, wherein the object framework comprises an infrastructure for building, deploying and running applications having a common language runtime.

27. (Original) The system of claim 25, wherein the proxy module creates an assembly for the descendant class.

28. (Previously presented) The system of claim 25, wherein the proxy module creates a descendant class for representing the form in a user interface of the development system.

29. (Previously presented) The system of claim 28, wherein the descendant class inherits a set of components provided by the ancestor class for representing components that may placed on the form.

30. (Original) The system of claim 28, wherein the proxy module creates a second descendant class which inherits from the descendant class, the created second descendant class for representing a second form which inherits from the particular form previously created in the development system.

31. (Original) The system of claim 28, wherein the form includes a component palette comprising components which the user can select.

32. (Original) The system of claim 31, wherein the type delegator persists user input for placing components selected from the palette on the form.

33. (Original) The system of claim 32, wherein the type delegator persists information regarding components placed on the form, thereby enabling components to be recreated at

runtime.

34. (Original) The system of claim 25, wherein the proxy module generates a constructor for the descendant class.

35. (Original) The system of claim 34, wherein the proxy module generates intermediate language instructions for building the constructor.

36. (Original) The system of claim 35, wherein the proxy module generates intermediate language instructions using classes for generating intermediate language instructions provided by the object framework.

37. (Original) The system of claim 35, wherein the proxy module generates instructions for calling the constructor of the ancestor class, thereby ensuring execution of an appropriate constructor implemented by the ancestor class.

38. (Original) The system of claim 25, wherein the proxy module generates methods for overriding notification methods of the ancestor class.

39. (Original) The system of claim 38, wherein the proxy module generates intermediate language instructions for overriding notification methods of the ancestor class.

40. (Original) The system of claim 39, wherein the proxy module generates intermediate language instructions using classes for generating intermediate language instructions provided by the object framework.

41. (Original) The system of claim 25, wherein the type delegator provides information for enumerating fields, systems, properties, and events in response to user input on the form during development of the application.

42. (Original) The system of claim 25, wherein the type delegator generates metadata

information in response to user input on the form.

43. (Original) The system of claim 42, wherein said metadata information includes a reference to methods of the application assigned to particular components on the form.

44. (Original) The system of claim 43, wherein said metadata information and the descendant class are used to reconstruct the form as part of the application at runtime.

45. (Original) The system of claim 25, wherein the form comprises a form open on a visual design surface of the development system.

46. (Previously presented) The system of claim 25, wherein the persisting mechanism persists state of the form.

47. (Canceled)

48. (Original) The system of claim 46, wherein the persisting mechanism enables the form to be recreated at runtime as part of the application.

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